

**REMARKS**

Claims 6-8, 12, 13, 18, 19, 22, 23, 30, 31, 34, 35, and 57-84 have been examined. Claims 6-8, 12, 13, 18, 19, 22, 23, 30, 31, 34, 35, 57-70, 75, 77, 79 and 80-82 are canceled by this Amendment without prejudice or disclaimer.

**Claim Rejections - 35 U.S.C. § 103(a)**

Claims 6-8, 12, 13, 18, 19, 22, 23, 30, 31, 34, 35 and 57-68 are rejected under § 103(a) as being unpatentable over Meade (US 6,405,214) in view of Helterline et al. (US 6,039,430) and in further view of Goodwin (US 4,203,240), Storey (US 5,774,870 and Goldhaber (US 5,855,008).

Applicants submit that this rejection is moot as the claims rejected have been canceled by this Amendment.

**Claim Rejections - 35 U.S.C. § 103(a)**

Claims 69-78 and 80-82 are rejected under § 103(a) as being unpatentable over Meade in view of Helterline and in further view of Hayward. Applicants traverse this rejection as follows.

This rejection is moot with regard to claims 69-70, 75, 77 and 80-82 as these claims are hereby canceled by this Amendment.

With regard to claims 71-74, 76 and 78, Applicants traverse these rejections for the reasons set forth below.

Claim 71 recites, *inter alia*:

(1) transmitting a web page according to the transmitted cartridge ID, from the server to the client, the web page containing a plurality of thumbnail images corresponding to a plurality of sample printing data;

(2) displaying the transmitted web page at the client;

(3) inputting into the client a user's selection of one of the thumbnail images displayed on the web page; and

(4) displaying a set of printer properties and printing medium appropriate on the basis of the transmitted printing environment information and the selected thumbnail image at the client.

The Examiner applies Meade contending that it discloses many of the features recited in claim 71, but concedes that Meade fails to teach or suggest, acquiring a first resource information in connection with a resource of the client from a storage resource in the client, acquiring a second resource information which is in connection with a resource of the image-forming apparatus and read from a storage resource of the image-forming apparatus, updating software which is required to be updated to the software for control. To compensate for this deficiency, the Examiner applies Helterline, alleging that it teaches a printer cartridge memory which stores the printer driver version number and the updating of said driver in the event that printing parameters change during the operation of the printing system. Further, the Examiner relies on Hayward at teaching a system that detects a computers' peripherals conditions and provides user support based upon said detection. (*Office Action*, pp. 6 and 7).

However, Applicants respectfully submit that neither Meade, Helterline nor Hayward teach or suggest, "transmitting a web page according to the transmitted cartridge ID, from the server to the client, the web page containing a plurality of thumbnail images corresponding to a plurality of sample image data," as recited in claim 71.

In particular, Meade teaches a system wherein a first client program gathers usage information from a user's CPU and storage devices and a second client program which provides

connectivity with the network. (col. 3, lines 40-48). This usage information gathered by the first client program of the user computer may be printer use information compiled from the printer driver. (col. 4, lines 15-17). However, no portion of Meade teaches that a web page is transmitted according to the cartridge ID. Further, Meade also fails to teach any web page containing thumbnail images corresponding to sample printing data.

With regard to Helterline, this reference merely teaches a printer cartridge having a memory, and thus, fails to compensate for the above noted deficiency of Meade.

Hayward, on the other hand, relates to a system for web based support for a computer peripheral. (col. 1, lines 25-30). Hayward provides support by sensing peripheral indicia and a peripheral condition at a computer and then downloads additional information from a server about the specific peripheral. (col. 2, lines 25-37). However, Hayward is limited to providing user support information for the purposes of maintenance, i.e., replacing a used printer cartridge. No portion of Hayward teaches or suggests, transmitting a web page containing a plurality of thumbnail images corresponding to a plurality of sample printing data, as recited in claim 71.

Accordingly, Applicants respectfully submit that claim 71 is allowable over the applied combination of Meade, Helterline and Hayward. Additionally, Applicants submit that claims 72-74 are allowable, at least because of their dependency. Furthermore, because claims 76 and 78 recite features similar to the feature discussed above with regard to claim 71, Applicants submit that those claims are allowable, at least for the same reasons set forth above.

**Claim Rejections - 35 U.S.C. § 103(a)**

Claims 83 and 84 stand rejected under § 103(a) as being unpatentable over Helterline in view of Hayward. Applicants traverse this rejection for the reasons set forth below.

Applicants submit that neither Helterline nor Haywood, either taken alone or in combination, teach or suggest:

- (1) a first list of types of cartridges suitable for use stored in the image forming apparatus,
- (2) a second list of types of cartridges suitable for use stored in the server, and
- (3) a second transmitting component for transmitting the second list to the host apparatus

if as a result of processing to determine whether the update is necessary it is found that updating of the printer driver and printer firmware is not necessary, as recited in claim 83.

The Examiner applies Helterline alleging that it teaches a system which uses a host apparatus connected to an image forming apparatus wherein the host apparatus is connected to the server. However, Applicants respectfully submit that no portion of Helterline even remotely discusses using information to determine if the update of a program is necessary. In fact, Helterline does not even discuss any computer program updating at all.

Additionally, the Examiner applies Hayward alleging that it teaches a system using peripheral indicia, such as a serial number and other peripheral conditions to specify a URL address to update the periphery software. (*Office Action*, p. 14). In particular, Hayward merely teaches that by using the peripheral indicia, only support information needed to support the particular product is downloaded from the manufacturer's server. (col. 5, lines 5-10). Further, this support information is limited to which is typically prepared in print form to ship with the product (col. 4, lines 19-20), but which may also be installed with the installation software to be later accessed from a help menu. (col. 4, lines 19-25).

However, neither Hayward nor Helterline teach or suggest, transmitting a second list to the host apparatus if as a result of processing to determine whether the update is necessary it is found that updating of the printer driver and printer firmware is not necessary.

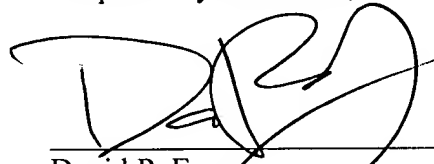
Thus, Applicants respectfully submit that claim 83 is allowable for at least this reason. Additionally, because claim 84 recites a feature similar to the feature discussed above with regard to claim 83, Applicants submit that claim 84 is allowable for at least the same reasons set forth above.

**Conclusion**

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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